GROVER CLEVELAND HIGH SCHOOL
Upland Site Summary

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SITE NAME: GROVER CLEVELAND HIGH SCHOOL

Address: 21-27 Himrod Street, Queens, NY 11385
Tax Lot Parcel(s): Queens, Block 3363, Lot 1
Latitude: N 40* 42' 42.8"
Longitude: W 73* 54' 33.1"
Regulatory Programs/Numbers/Codes: NYR000158220
Analytical Data Status: ☐ Electronic Data Available x Hardcopies only ☐ No Data Available

1 SUMMARY OF CONSTITUENTS OF POTENTIAL CONCERN (COPCS) TRANSPORT PATHWAYS TO THE CREEK

Overland Transport

This pathway is not complete, as the site is not adjacent to the waterway.

Bank Erosion

This pathway is not complete, as the site is not adjacent to the waterway.

Groundwater

The site is located approximately 1 mile from Newtown Creek and associated waterways. All of the documented work at the school was routine maintenance and construction work, as well as general school laboratory use. There is no documentation of any contaminant entering a pathway to Newtown Creek. All potential contaminants were handled pursuant to all relevant protocols and were appropriately removed from the facility and disposed of. There is no available groundwater quality information available for this site. There is insufficient evidence to determine whether groundwater reaches Newtown Creek. However, because there are no COPCs at the site that could reach the groundwater, this pathway is not complete.

Overwater Activities

The site is not adjacent to Newtown Creek and associated waterways and therefore, has no overwater activities. This pathway is not complete.

Stormwater/Wastewater Systems

Information related to stormwater and wastewater systems was not located for this site. All of the documented work at the school was routine maintenance and construction work, as well as general school laboratory use. There is no documentation of any contaminant entering a pathway to Newtown Creek. All potential contaminants were handled pursuant to all relevant protocols and were appropriately removed from the facility and disposed of. There is insufficient evidence to determine whether stormwater reaches Newtown Creek. However, because there are no COPCs at the site that could be transported via stormwater/wastewater, this pathway is not complete.

Air Releases

Information related to air discharges was not located for this site. All of the documented work at the school was routine maintenance and construction work, as well as general school laboratory use. There is no documentation of any contaminant entering a pathway to Newtown Creek. All potential contaminants were handled pursuant to all relevant protocols and were appropriately removed from the facility and disposed of. There is insufficient evidence to determine whether air releases from a site 1 mile away reaches Newtown Creek. However, because there are no COPCs at the site, this pathway is not complete.

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2 PROJECT STATUS

No available files containing environmental investigations were identified for this site, other than manifests for disposal of hazardous waste.

3 SITE OWNERSHIP HISTORY

- Respondent Member: X Yes ☐ No

Owner	Occupant	Type of Operation	Years
New York City	New York City Department of Education	School	1930-present

4 PROPERTY DESCRIPTION

This site consists of a four-story school building and athletic field. It is located approximately 1 mile from Newtown Creek. The only known hazardous chemical activities associated with the site arise from the transport of school laboratory chemicals from the site and asbestos, lead, and PCBs remediation at the site (see attached manifests). The chemicals used in the school laboratory are standard for high school science laboratories (such as hydrochloric acid, sodium hydroxide, mercury nitrate, etc.), and their proper removal from the facility for disposal is documented by waste manifests.

5 CURRENT SITE USE

The site has been used as a school since 1930.

6 SITE USE HISTORY

The site has been used as a school since 1930.

7 CURRENT AND HISTORICAL AREAS OF CONCERN AND COPCs

Uplands

Reviewed records did not indicate upland areas of concern.

Overwater Activities ☐ Yes X No

This site is not adjacent to Newtown Creek or associated waterways.

Spills

Reviewed records did not indicate current or historical spills.

8 PHYSICAL SITE SETTING

No site specific geologic or hydrogeologic information is available for the site. The following information is based on regional conditions in the Brooklyn/Queens area.

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In general, the geologic setting of Newtown Creek area consists of Quaternary glacial deposits overlying Paleozoic gneiss and schist bedrock (Misut and Monti 1999). The contact between the glacial deposits and bedrock slopes rather steeply to the southeast, ranging in depth from less than 50 ft bgs near the mouth of Newtown Creek to over 200 ft bgs at the eastern portions of the historical data review area. The near surface geology is of most interest relative to potential groundwater transport pathways from upland sites to the creek. In most areas, a heterogeneous anthropogenic fill unit of variable thickness (generally less than 20 ft thick) immediately underlies the surface. Beneath the fill in most areas are complex upper glacial deposits of Late Pleistocene age consisting of ablation till, outwash, and glaciolacustrine sediments. In some areas near Newtown Creek, a shell-bearing gray silt unit is present beneath the fill; this silt may represent post-glacial intertidal sediments deposited in wetlands adjacent to the creek prior to filling in the 1800s. An extensive sequence of regionally significant glacial units underlies the upper glacial deposits in areas where bedrock is deeper (Misut and Monti 1999).

The surface aquifer is typically contained with the upper glacial deposits and the lower portion of the anthropogenic fill layer. Depth to groundwater varies from a few feet to about 30 ft bgs in the historical data review area. Shallow groundwater generally flows towards and discharges to Newtown Creek (Misut and Monti 1999).

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9 NATURE AND EXTENT *(CURRENT UNDERSTANDING OF ENVIRONMENTAL CONDITIONS)*

9.1 Soil

- **Soil Investigations** ☐ Yes X No
- **Bank Samples** ☐ Yes ☐ No X Not Applicable
- **Soil Summary**

There is no evidence of soil contamination and no reason to believe that there is soil contamination on this site.

9.2 Groundwater

- **Groundwater Investigations** ☐ Yes X No

- NAPL Presence (Historical & Current) ☐ Yes X No
- Dissolved COPC Plumes ☐ Yes X No
- Visual Seep Sample Data ☐ Yes ☐ No X Not Applicable
- Groundwater Summary

The site is located approx. 1 mile away from Newtown Creek and associated waterways. There is no available groundwater quality information available for this site.

9.3 Surface Water

- Surface Water Investigation ☐ Yes X No

Information related to surface water was not found in reviewed documents.

- General or Individual Stormwater Permit (Current or Past) ☐ Yes X No
- Do other non-stormwater wastes discharge to the system? ☐ Yes X No
- Stormwater Data ☐ Yes X No

Information related to stormwater and wastewater systems was not located for this site.

9.4 Sediment

- Creek Sediment Data ☐ Yes ☐ No X Not Applicable
- Sediment Summary

9.5 Air

- Air Permit ☐ Yes X No
- Air Data ☐ Yes X No
- Air Summary

Information related to air emissions was not found in reviewed documents.

10 REMEDIATION HISTORY (INTERIM REMEDIAL MEASURES AND OTHER CLEANUPS)

The attached manifests reflect the disposal of both hazardous and/or regulated materials: laboratory chemicals (such as hydrocholoric acid, mercury, and ethyl alcohol), lead, PCBs, and asbestos. All non-laboratory wastes were generated as a result of capital improvement projects at the school, the scope of which is developed by New York City School Construction Authority ("SCA"). These wastes are generated from a number of different sources that are identified by SCA. Specialty contractors are hired to remove materials identified during the SCA survey that is regulated by federal, state and local regulators. All

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material is properly disposed of at approved disposal facilities and the manifests are received and placed in the project file.

The attached PCB manifest, documenting a removal of PCB solid material/PCB debris, is likely associated with building caulking material. In those instances when the concentration of PCBs requires special provisions for disposal, the material is handled as described above. The natural attenuation of PCBs make them relatively immobile in the environment.

It appears that the other types of wastes in the attached manifests are related to building materials that were properly contained and disposed of during construction activities.

There are no areas of concern for this school because all of the documented work was routine maintenance and construction work, as well as general school laboratory use. There is no documentation of any contaminant entering a pathway to Newtown Creek. All potential contaminants were handled pursuant to all relevant protocols and were appropriately removed from the facility and disposed of.

11 BIBLIOGRAPHY / INFORMATION SOURCES

- Project-Specific References

DOE and SCA, Assorted waste manifests and bills of lading.

12 ATTACHMENTS

Figures: None

Tables: None

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Table 1

Potential Areas of Concern and Transport Pathways Assessment – Grover Cleveland High School Site

Potential Areas of Concern	Media Impacted					COPCs														Potential Historic or Current Complete Pathway					
						TPH			VOCs																	
Description of Areas of Concern	Surface Soil	Subsurface Soil	Groundwater	Catch Basin Solids	River Sediment	Gasoline-Range	Diesel – Range	Heavier – Range	Petroleum Related (e.g., BETEX)	VOCs	Chlorinated VOCs	SVOCs	PAHs	Phthalates	Phenolics	Metals	PCBs	Herbicides and Pesticides	Dioxins/Furans	Overland Transport	Groundwater	Direct Discharge – Overwater	Direct Discharge – Storm/Wastewater	Discharge to Sewer/CSO	Bank Erosion
No areas of Concern	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
√ **-** COPCs are/were present in Areas of Concern having a current or historical pathway that is determined to be complete or potentially complete
? - There is not enough information to determine if COPC is/was present in Area of Concern or if pathway is complete
-- - Current or historical pathway has been investigated and shown to be not present or incomplete

COPCs – Constituents of Potential Concern
BTEX - Benzene, toluene, ethylbenzene, and xylenes
PAHs - Polycyclic aromatic hydrocarbons
SVOCs - Semi-volatile Organic Compounds
TPH - Total Petroleum Hydrocarbons
VOCs - Volatile Organic Compounds